

# Foray<sup>®</sup> 48B

**Biological Insecticide  
Flowable Concentrate**

## ACTIVE INGREDIENT:

*Bacillus thuringiensis* subsp. *kurstaki*, Lepidopteran Active Toxin. . . . . 2.1%

INERT INGREDIENTS . . . . . 97.9%

TOTAL . . . . . 100.0%

POTENCY: 10,600 International Units (IU)/mg of product (equivalent to 48 billion IU/Gal). Potency units should not be used to adjust use rates.

EPA Reg. No. 73049-46

EPA Est. No. 33762-IA-001

List No. 60178

## INDEX:

- 1.0 Statement of Practical Treatment
- 2.0 Precautionary Statements
  - 2.1 Hazard to Humans (and Domestic Animals)
  - 2.2 Personal Protective Equipment (PPE)
  - 2.3 User Safety Recommendations
  - 2.4 Environmental Hazards
- 3.0 Directions for Use
- 4.0 Storage and Disposal
- 5.0 Directions for Non-Agricultural Applications
- 6.0 Mixing
- 7.0 Application
- 8.0 Application Rates
- 9.0 Notice to User

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

For **MEDICAL** and **TRANSPORT** Emergencies

**ONLY Call 24 Hours A Day 1-877-315-9819. For All Other  
Information Call 1-800-323-9597.**

## 1.0 STATEMENT OF PRACTICAL TREATMENT

**If on Skin:** Wash with plenty of soap and water. Get medical attention.

**If in Eyes:** Flush with plenty of water. Call a physician if eye irritation persists.

## 2.0 PRECAUTIONARY STATEMENTS

### 2.1 HAZARD TO HUMANS (AND DOMESTIC ANIMALS) CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes, open wounds or clothing. Wash thoroughly with soap and water after handling.

### 2.2 Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### 2.3 User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

### 2.4 Environmental Hazards

Do not contaminate water when disposing of equipment washwaters.

## 3.0 DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## 4.0 STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal of waste.

**Storage:** Store in a cool, dry place. Keep containers tightly closed when not in use. Store in temperatures above freezing and below 32°C (90°F).

**Pesticide Disposal:** Pesticide waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility in accordance with federal and local regulations.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONTINUED

## 5.0 DIRECTIONS FOR NON-AGRICULTURAL APPLICATIONS

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior landscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

Not for use on trees being grown for sale or other commercial use, or for commercial seed production, or for the production of timber or wood products, or for research purposes except wide-area public pest control programs sponsored by government entities, such as mosquito abatement, gypsy moth control, and Mediterranean fruit fly eradication.

## 6.0 MIXING

Foray 48B contains the spores and endotoxin crystals of *Bacillus thuringiensis kurstaki*. Foray 48B is a stomach poison and is effective against lepidopterous larvae. After ingestion, larvae stop feeding within hours and die 2-5 days later. Maximum activity is exhibited against early instar larvae. Foray 48B may be used for both ground and aerial application. The product should be shaken or stirred before use. Add some water to the tank mix, pour the recommended amount of Foray 48B into the tank and then add the remaining amount of water to obtain the proper mix ratio. Agitate as necessary to maintain the suspension. The diluted mix should be used within 72 hours.

## 7.0 APPLICATION

**Ground Application:** Use an adequate amount of tank mix to obtain thorough coverage without excessive run off. Use the recommended per acre dosages of Foray 48B in the following amounts of water:

High volume hydraulic sprayers	100 gallons
Mist blowers	10 gallons

**Aerial Application:** Foray 48B may be applied aerially, either alone or diluted with water at the dosages shown in the application rates table. Spray volumes of 32-128 ounces per acre are recommended. Best results are expected when Foray 48B is applied to dry foliage.

## 8.0 APPLICATION RATES

Crop	Pests	Rate <sup>1</sup> (pts/acre)	Dosage <sup>1</sup> (BIU/Acre)
Forests, Shade Trees, Ornamentals, Shrubs, Sugar Maple Trees, Ornamental Fruit, Nut and Citrus Trees <sup>2</sup>	Gypsy Moth, Asian Gypsy Moth, Elm Spanworm	1.3-6.7	8-40
	Spruce Budworm, Browntail Moth, Douglas Fir Tussock Moth, Coneworm	1.3-5	8-30
	Tussock Moths, Pine Butterfly, Bagworm, Leafrollers, Tortix, Mimosa Webworm, Tent Caterpillar, Jackpine Budworm, Blackheaded Budworm, Saddled Prominent, Saddleback Caterpillar, Eastern and Western Hemlock Looper, Orange-striped Oakworm, Satin Moth	1-2.7	6-16
	Redhumped Caterpillars, Spring and Fall Cankerworm, California Oakworm, Fall Webworm	0.7-1.3	4-8

<sup>1</sup> Use the higher recommended rates on advanced larval stages or under high density larval populations.

<sup>2</sup> In treating Gypsy Moth and Asian Gypsy Moth infested trees and shrubs in urban, rural and semi-rural areas, exposure of non-target vegetation including, but not limited to, native and ornamental species and food or feed crops is permitted.

## 9.0 NOTICE OF WARRANTY

SELLER MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USES WHICH EXTEND BEYOND THE USE OF THE PRODUCT UNDER NORMAL CONDITIONS IN ACCORD WITH THE STATEMENTS MADE ON THIS LABEL. IN NO CASE SHALL THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.